

July 28, 2011

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554-0004
Re: IB Docket No. 11-109

Dear Ms. Dortch,

I understand that the FCC is going to make a decision on allowing a company called LightSquared to violate the long standing protection of the "Space Communications" L-Band allocation. I am taking this opportunity to voice strong opposition to allowing LightSquared authorization to operate terrestrial (land based) transmitters in the L-Band at or near 1.5 Gigahertz. The importance of not allowing this project to continue is foremost in the protection of our GNSS systems commonly called GPS or Global Positioning System.

I work in the communications sector and posses first hand knowledge and experience as an engineer. Allowing high power terrestrial transmissions in the 1.559 +/- .050 GHz will obliterate land based receivers ability to receive the fragile and weak space based signals emanating from our GPS satellites. Allowing LightSquared to transmit on these frequencies with land based transmitters will be disastrous to our infrastructure already in place. Infrastructure such as our aeronautical flight systems, first responder 911 location systems, disaster resource allocation locator systems and much of our commercial distribution systems will suffer failure. Not only is GPS at risk, so are several other services rendered by space based transmissions such as satellite phone services as Global Star and many others.

I am looking to the FCC to make a rational decision and shut down this foolish and EXPENSIVE experiment caused by LightSquared's inappropriate request for a waiver to obliterate the Space Band. I urge you to keep this project from moving forward. It is crucial to our infrastructure that you protect GPS by maintaining the protection of the L-Band by allowing ONLY space based transmissions in the 1.5 Gigahertz band.

In closing it might also be important to point out that the European Nations and others who also use these same frequencies for their GNSS systems, they too are very concerned that you make the decision to block this insane project by LightSquared.

Sincerely,
Dennis J. Lloyd,
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